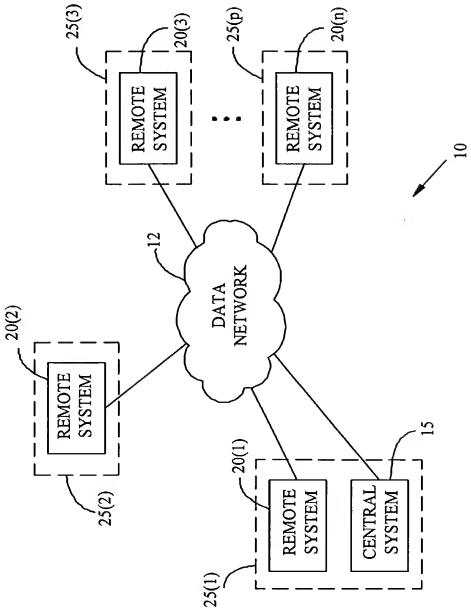

25(3)
20(3)
REMOTE SYSTEM
25(p)
20(n)
REMOTE SYSTEM
10
12
DATA NETWORK
20(2)
REMOTE SYSTEM
25(2)
20(1)
REMOTE SYSTEM
CENTRAL SYSTEM
15
25(1)

FIGURE 1

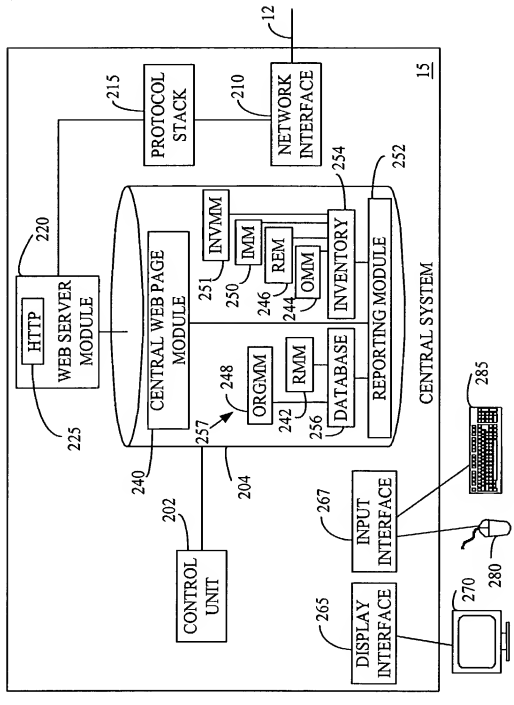

12
15
CENTRAL SYSTEM
NETWORK INTERFACE
210
PROTOCOL STACK
215
220
HTTP
WEB SERVER MODULE
225
CENTRAL WEB PAGE MODULE
240
257
204
INVMM
IMM
REM
OMM
251
250
246
244
INVENTORY
254
REPORTING MODULE
252
ORGMM
RMM
DATABASE
248
242
256
CONTROL UNIT
202
INPUT INTERFACE
267
DISPLAY INTERFACE
265
285
270
280

FIGURE 2

Home – Web Browser
File Edit View Favorites Tools Help
Address www.suntest.centralwebpage.com
Links
INFO MANAGER
1. Request Management Module
2. Order Management Module
3. Rotational Equipment Module
4. Item Management Module
5. Organization Management Module
6. Inventory Management Module
7. Reporting Module
320(1)
320(2)
320(3)
320(4)
320(5)
320(6)
320(7)
240
310

FIGURE 3

12
420
PROTOCOL STACK
410
NETWORK INTERFACE
20(1-n)
WEB BROWSER APPLICATION
REMOTE SYSTEM
425
405
407
467
INPUT INTERFACE
485
CONTROL UNIT
475
480
DISPLAY INTERFACE
465

FIGURE 4

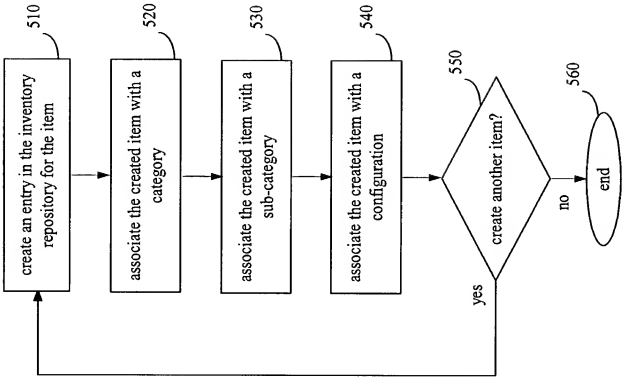

510
create an entry in the inventory repository for the item
520
associate the created item with a category
530
associate the created item with a sub-category
540
associate the created item with a configuration
550
create another item?
yes
no
560
end

FIGURE 5

Inventory Record
Serial No.:
TALAM1
610(1)
Component Of:
610(7)
Item (Part) No.:
E10K
610(2)
Description:
ENTERPRISE 10000 SERVER
610(8)
Category:
Server
610(3)
Type:
FAMILY
610(9)
Quantity:
1
610(4)
Status:
ACTIVE
610(10)
Location:
Newark
610(5)
REP:
NO
610(11)
Effective From:
31-Oct-2001
610(6)
Effective To:
610(12)
Comments:
605(1)
620(1)
620(2)
Unavailability Details
620(3)
620(4)
Quantity
From
To
Reason
Comment
1
07-Nov-2002
15-Nov-2002
Bench Mark Test
0
605(2)
600

FIGURE 6

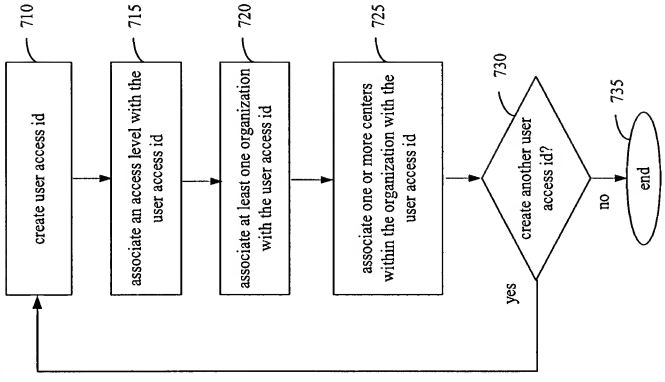
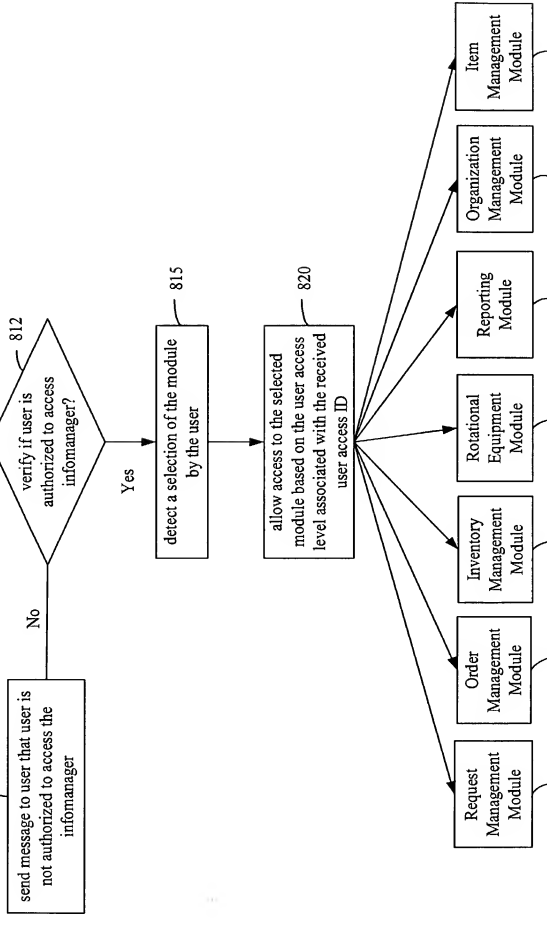

710
create user access id
715
associate an access level with the user access id
720
associate at least one organization with the user access id
725
associate one or more centers within the organization with the user access id
730
create another user access id?
yes
no
735
end

FIGURE 7

FIGURE 8


receive an user access id
810
verify if user is authorized to access infomanager?
812
No
send message to user that user is not authorized to access the infomanager
814
Yes
detect a selection of the module by the user
815
allow access to the selected module based on the user access level associated with the received user access ID
820
Request Management Module
242
Order Management Module
244
Inventory Management Module
251
Rotational Equipment Module
246
Reporting Module
252
Organization Management Module
248
Item Management Module
250

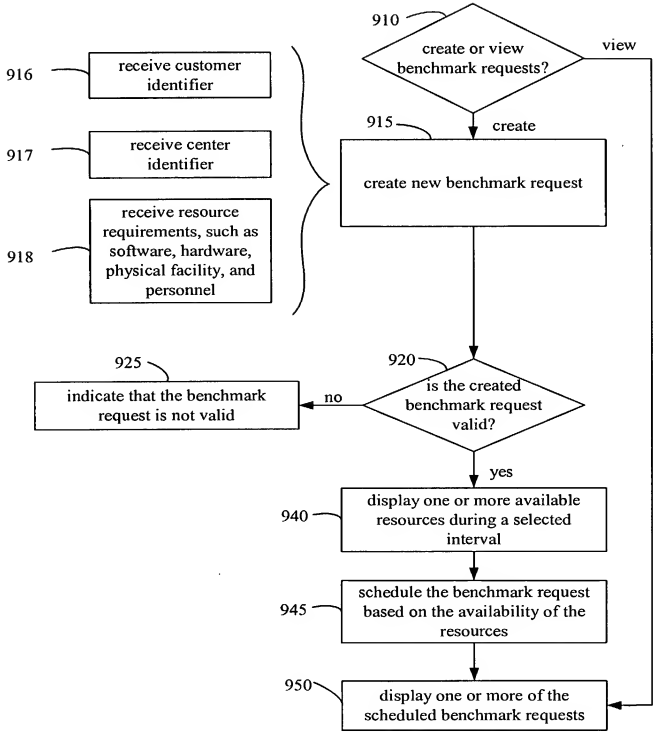

910
create or view benchmark requests?
view
create
915
create new benchmark request
916
receive customer identifier
917
receive center identifier
918
receive resource requirements, such as software, hardware, physical facility, and personnel
920
is the created benchmark request valid?
no
925
indicate that the benchmark request is not valid
yes
940
display one or more available resources during a selected interval
945
schedule the benchmark request based on the availability of the resources
950
display one or more of the scheduled benchmark requests

FIGURE 9

1020(1) Personnel
1020(2) Hardware
1020(3) Facility
1020(4) Center #1
1020(5) Center #2
1020(6) Center #3
1035
Resource
1030
February 2002
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
Personnel
1040
Engineer # 1
Engineer # 2
Engineer # 3
Hardware
1045
Server # 1
Server # 2
Facility
1050
Facility # 1
Facility # 2
Facility # 3
Facility # 4 Not Available
1010

FIGURE 10

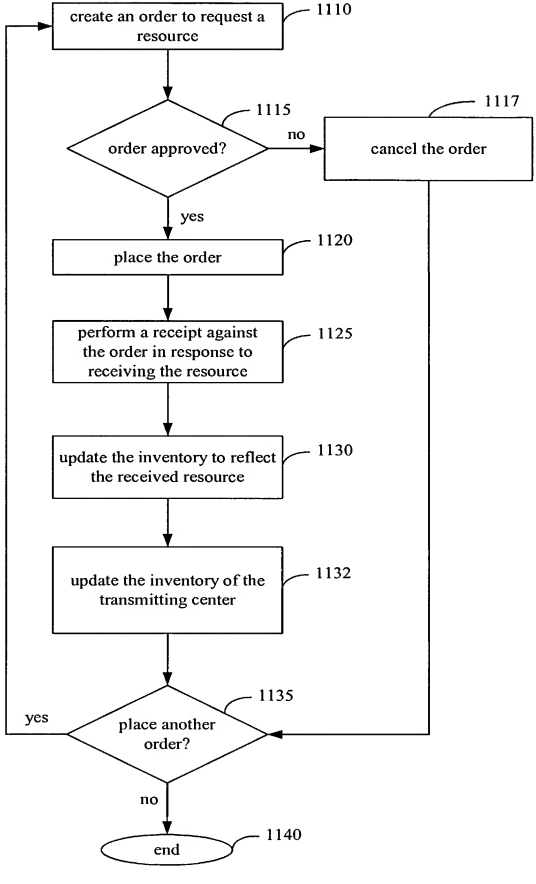

create an order to request a resource
1110
order approved?
1115
no
cancel the order
1117
yes
place the order
1120
perform a receipt against the order in response to receiving the resource
1125
update the inventory to reflect the received resource
1130
update the inventory of the transmitting center
1132
place another order?
1135
yes
no
end
1140

FIGURE 11

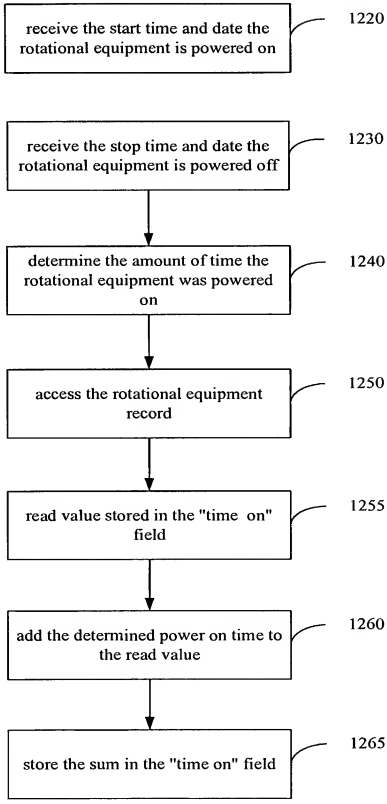

receive the start time and date the rotational equipment is powered on
1220
receive the stop time and date the rotational equipment is powered off
1230
determine the amount of time the rotational equipment was powered on
1240
access the rotational equipment record
1250
read value stored in the "time on" field
1255
add the determined power on time to the read value
1260
store the sum in the "time on" field
1265

FIGURE 12

ROTATIONAL EQUIPMENT
1320
1325(1) Order No.: 165
1325(2) Order Type: Unplanned
1325(3) Fiscal QTR: Q1FY2002
1325(4) Order Status: Processed
1325(5) Ship-To Location Newark
1325(6) Comments: Extra storage for the development Sunblade 100
Model No.
Serial No.
Time On
Power On Date
Power Off Date
Return Date
Other
232332
1335(1)
1335(2)
1335(3)
1335(4)
1335(5)
1335(6)
1330
1310

FIGURE 13